

How to change: Nissan Leaf ZE0 rear shock absorbers – replacement guide

 VIDEO TUTORIAL

Important!

This replacement procedure can be used for:
NISSAN LEAF (ZE0) Electric

The steps may slightly vary depending on the car design.



REPLACEMENT: SHOCK ABSORBERS – NISSAN LEAF ZE0. TOOLS YOU'LL NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #16
- Combination spanner #18
- Drive socket # 18
- Wheel impact socket #21
- Torque wrench
- Tap wrench
- Plastic trim tool
- Locking pliers
- Hydraulic transmission jack
- Wheel chock

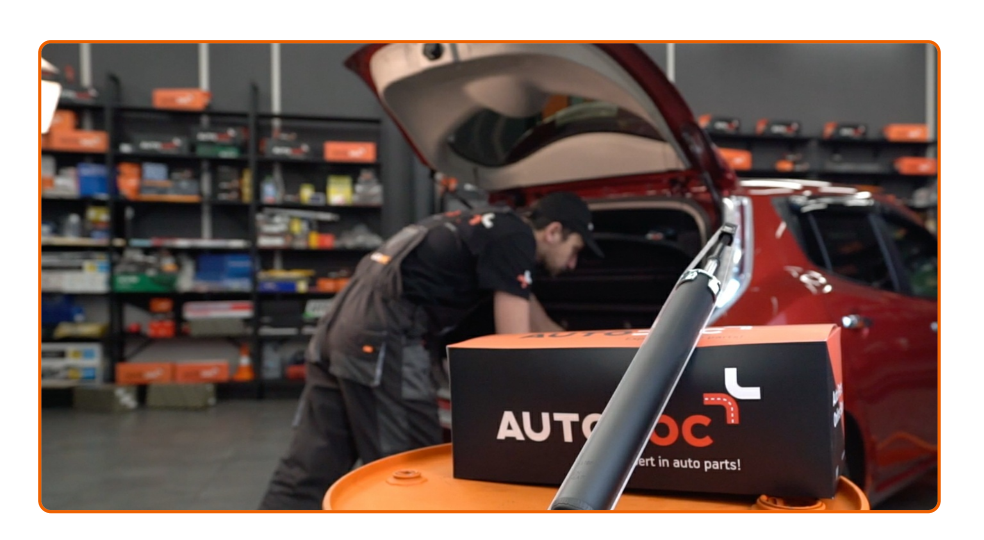


Replacement: shock absorbers – Nissan Leaf ZE0. Tip from AUTODOC experts:

- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

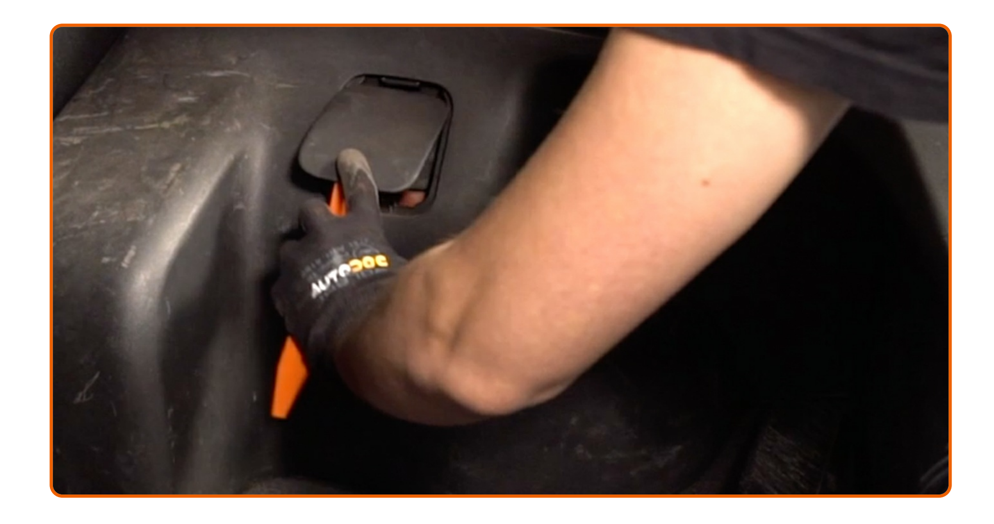
REPLACEMENT: SHOCK ABSORBERS – NISSAN LEAF ZE0. RECOMMENDED SEQUENCE OF STEPS:

1



Open the boot lid.

2



Remove the mount cap from the shock absorber upper fastener. Use a plastic trim tool.

3



Loosen the upper fastener of the shock absorber. Use a combination spanner #16. Use locking pliers.

4



Secure the wheels with chocks.

5



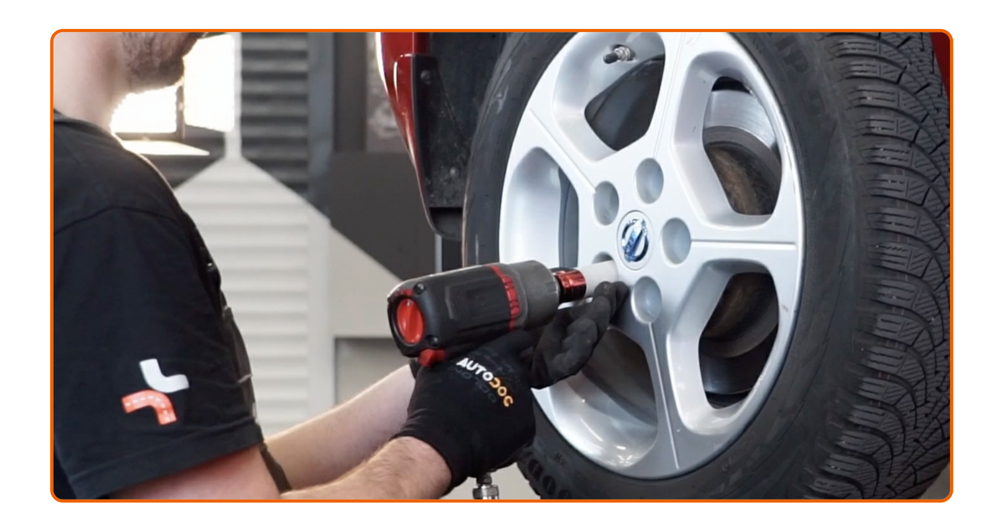
Loosen the wheel mounting bolts. Use wheel impact socket #21.

6



Raise the rear of the car and secure on supports.

7



Unscrew the wheel bolts.

Replacement: shock absorbers – Nissan Leaf ZE0. Tip:

- To avoid injury, hold up the wheel when unscrewing the bolts.

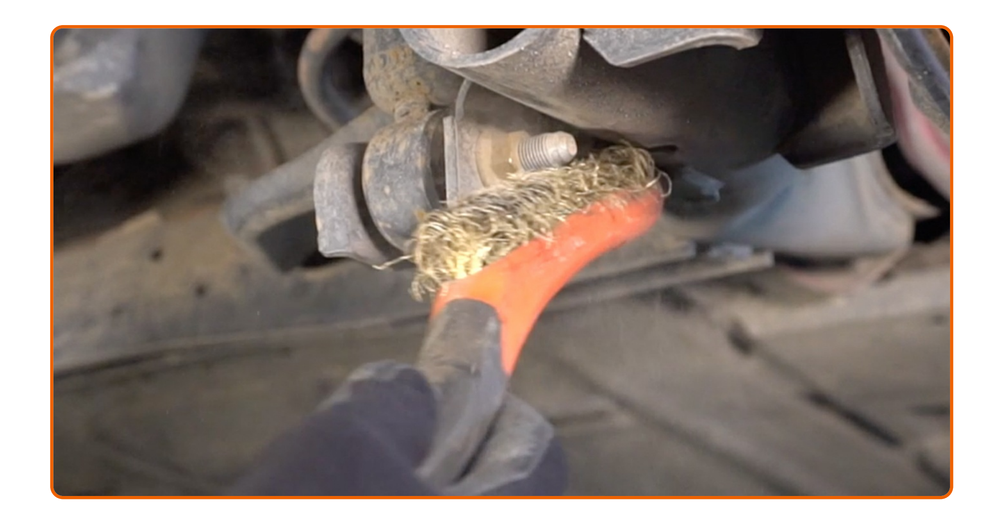


8



Remove the wheel.

9



Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.

10

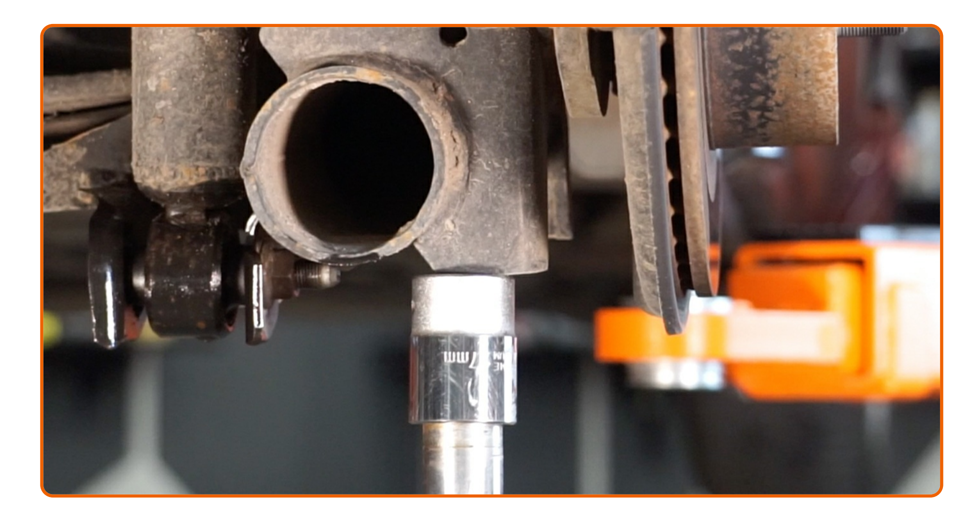


Unscrew the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a tap wrench.

AUTODOC recommends:

- Important! Hold the shock absorber while unscrewing the fastening bolts. Nissan Leaf ZE0

11



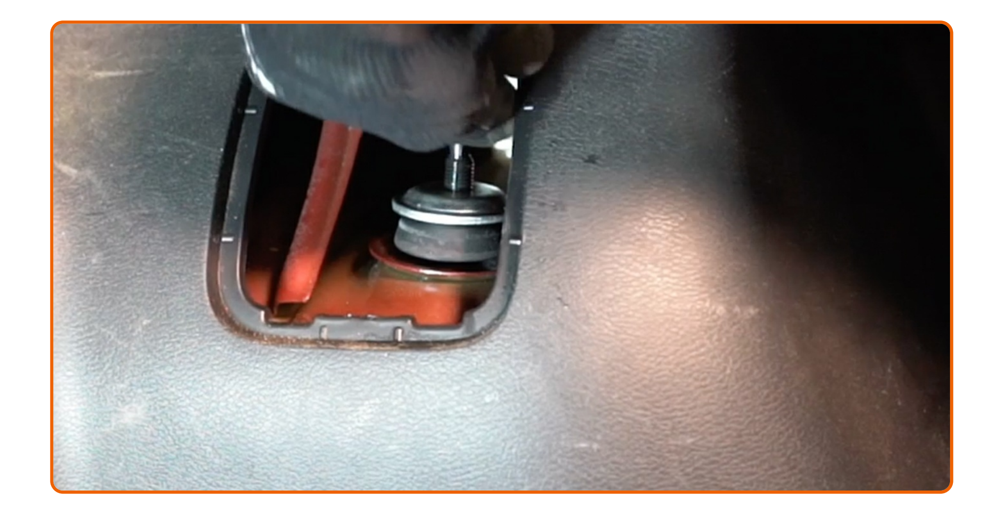
Support the rear suspension beam. Use a hydraulic transmission jack.

12



Remove the fastening bolt. Use a combination spanner #18. Use a drive socket #18.

13



Unscrew the upper fastener of the shock absorber.

14



Remove the shock absorber.

15

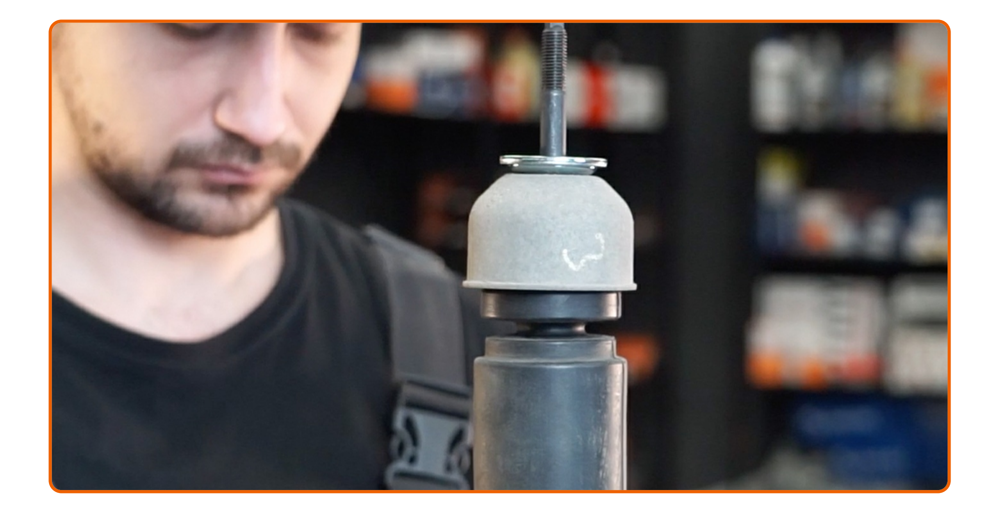


Remove the shock absorber dust cap and the bump stop.

Replacement: shock absorbers – Nissan Leaf ZE0. AUTODOC recommends:

- Examine the shock absorber dust cap and the bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

16



Install the dust sleeve and the bump stop on the new shock absorber.

17



Clean the shock absorber mounting seats. Use a wire brush. Use WD-40 spray.

18



Treat the shock absorber mounting seats. Use copper grease.

19

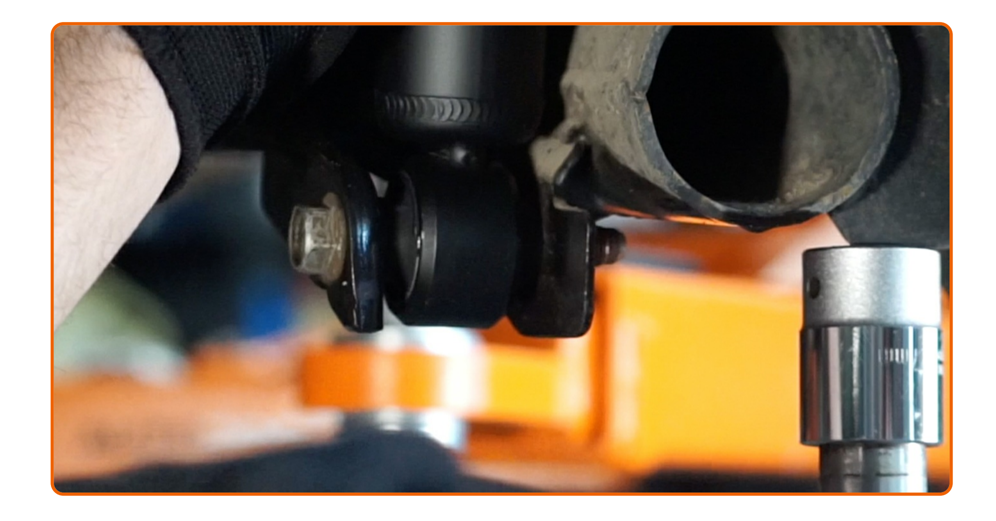


Place the shock absorber in the wheel arch and secure it.

AUTODOC recommends:

- Nissan Leaf ZE0 – To avoid injury, hold the shock absorber while screwing in the fastening bolts.

20

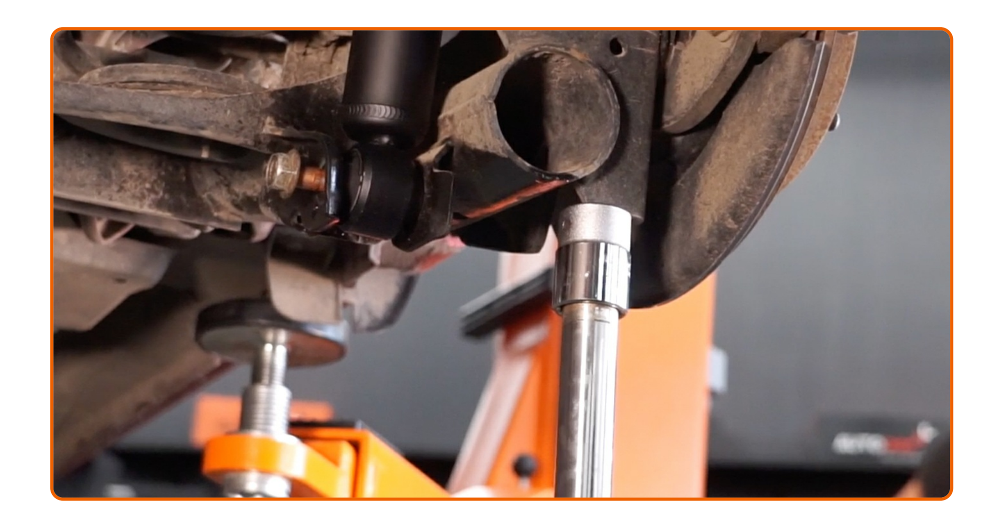


Install the fastening bolt.

21

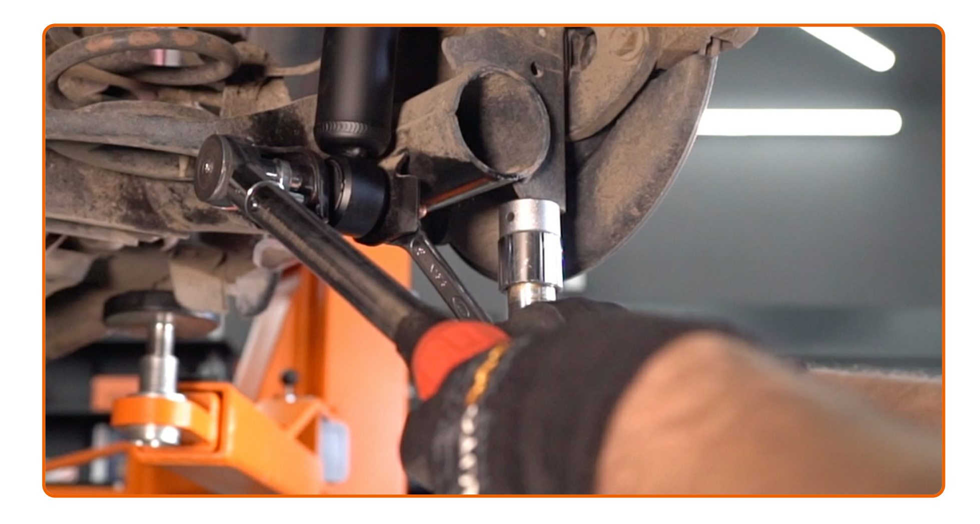
Screw in the lower fastener of the shock absorber. Use a drive socket #18.

22



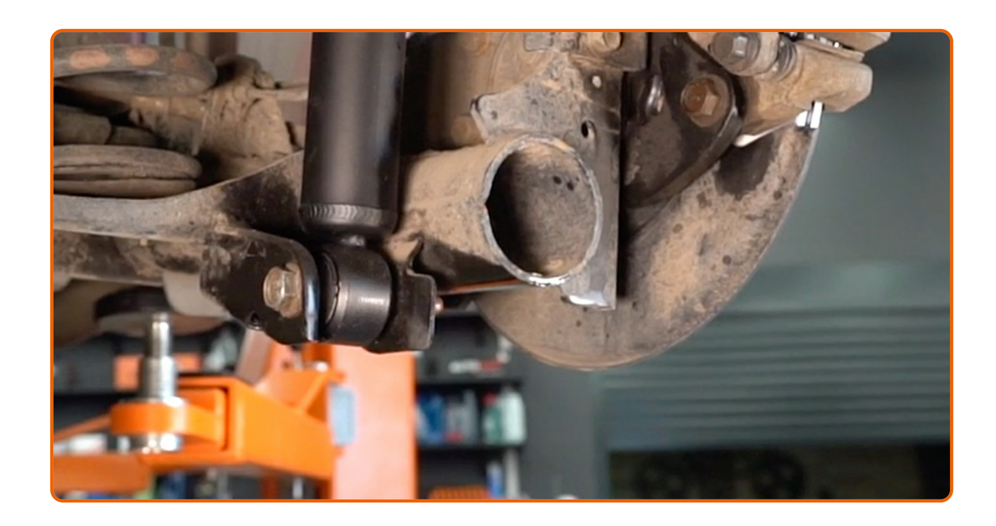
Raise the hydraulic transmission jack by 10-15 cm.

23



Tighten the lower fastener of the shock absorber. Use a combination spanner #18. Use a drive socket #18. Use a torque wrench. Tighten it to 85 Nm torque.

24

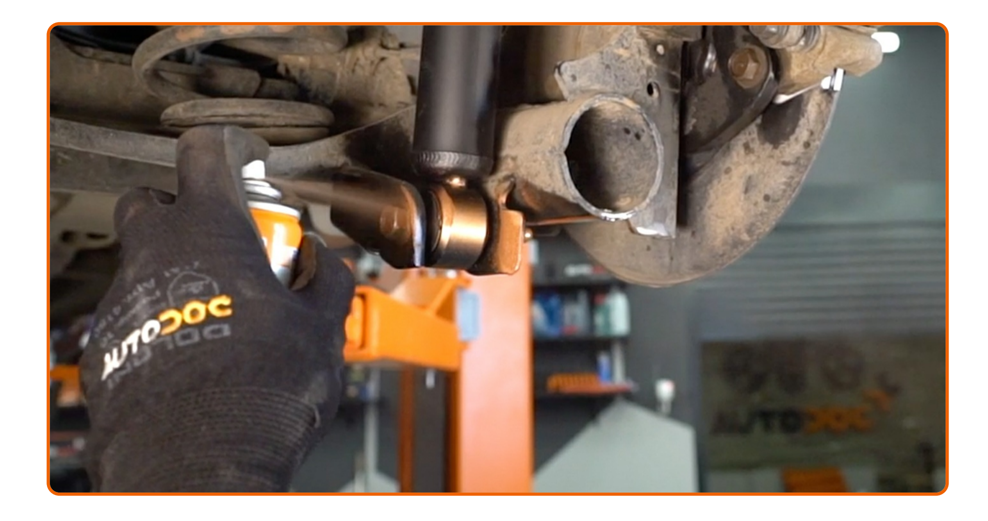


Remove the mounting from under the rear axle beam.

Replacement: shock absorbers – Nissan Leaf ZE0. AUTODOC experts recommend:

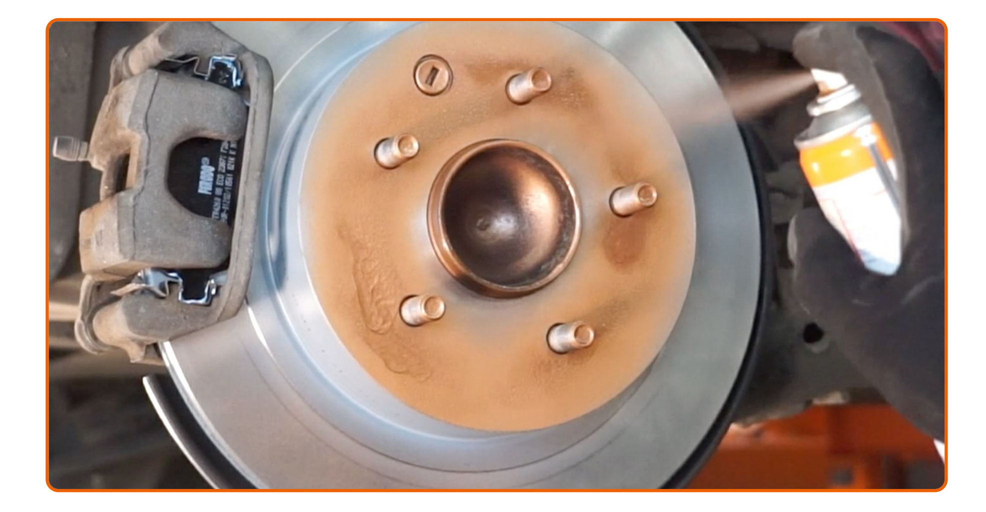
- Lower the hydraulic transmission jack smoothly, without jerks, to avoid damaging assemblies and mechanisms.

25



Treat the shock absorber fasteners. Use copper grease.

26



Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

27

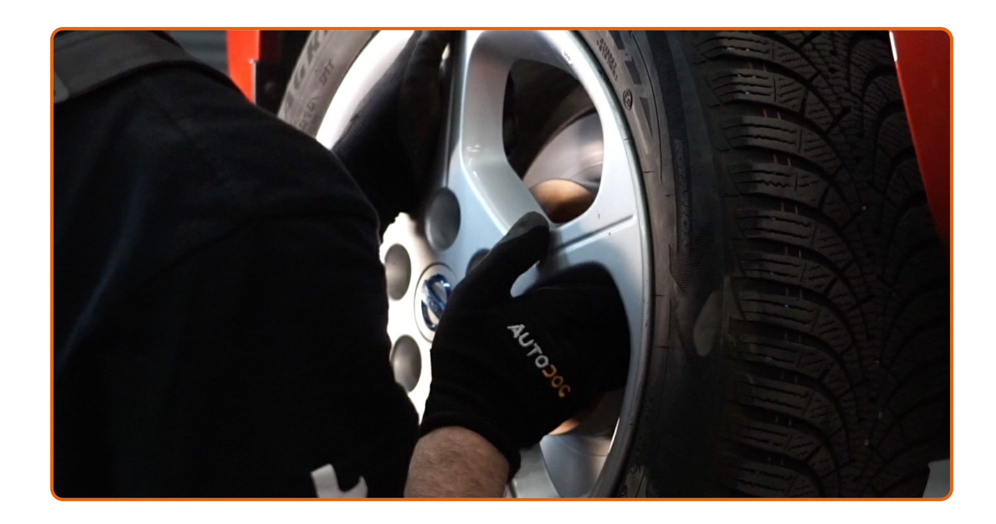


Clean the brake disk surface. Use a brake cleaner.

AUTODOC recommends:

- Replacement: shock absorbers – Nissan Leaf ZE0. After applying the spray, wait a few minutes.

28



Install the wheel.

Replacement: shock absorbers – Nissan Leaf ZE0. Tip from AUTODOC:

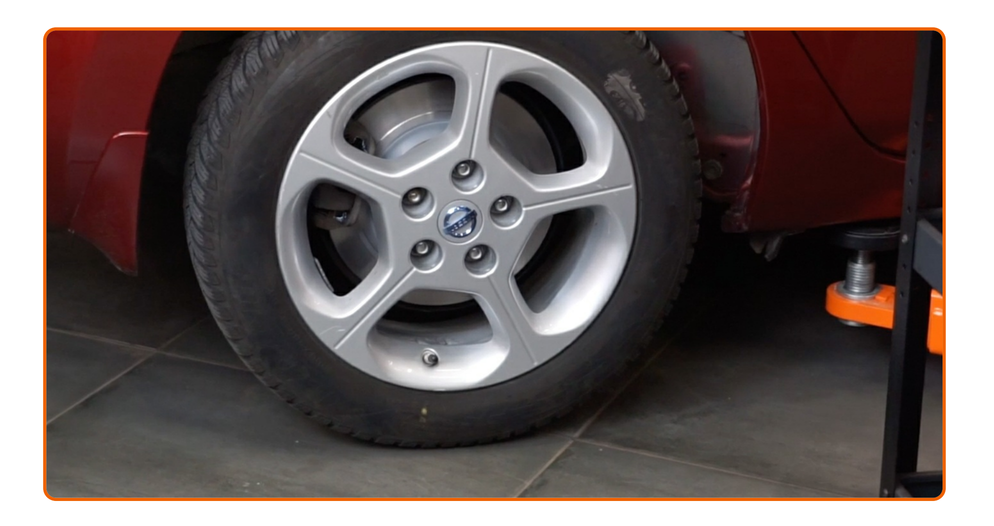
- To avoid injury, hold up the wheel when screwing in the fastening bolts.

29



Screw in the wheel bolts. Use wheel impact socket #21.

30



Lower the car.

31



Tighten the top shock absorber fastening. Use a combination spanner #16. Use locking pliers. Use a torque wrench. Tighten it to 60 Nm torque.

32

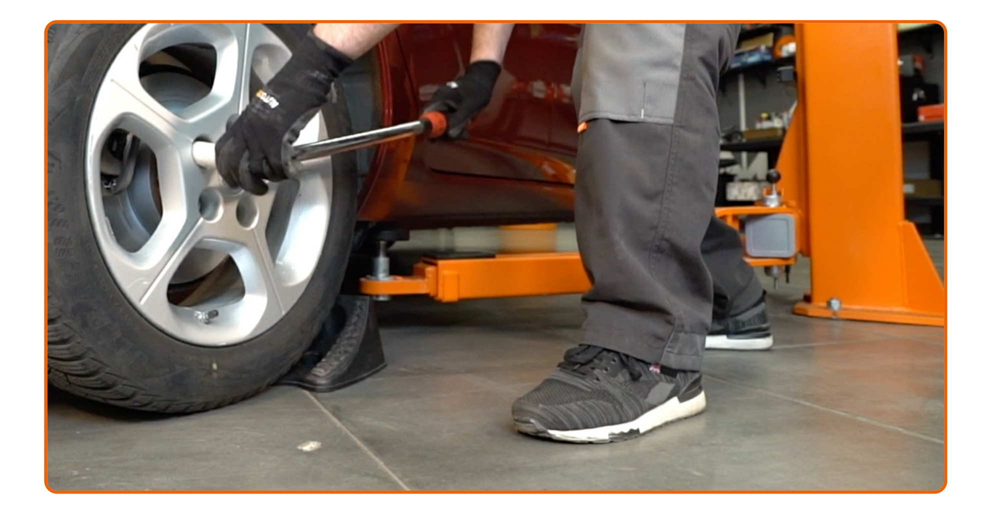
Treat the shock absorber fasteners. Use copper grease.

33

Install the mount cap on the shock absorber upper fastener.



34



Tighten the wheel bolts using a criss-cross pattern. Use a torque wrench. Tighten it to 120 nm torque.

35



Remove the jacks and chocks.

36



Close the lid of the luggage compartment.



DID YOU FIND THESE INSTRUCTIONS HELPFUL?

YES

NO



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